

Tipco Tipcofil® AM 300 - 15% Mineral Reinforced Nylon-6 Compound, with High Heat Stability

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

15% Mineral Reinforced Nylon-6 Compound
Applications: General Purpose
Processing: Injection Molding
Information provided by the Manufacturer, Tipco Industries Ltd., India.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tipco-Tipcofil-AM-300-15-Mineral-Reinforced-Nylon-6-Compound-with-High-Heat-Stability.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Water Absorption	1.4 %	1.4 %	ASTM D570
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D955
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	72.0 MPa	10400 psi	ASTM D638
Elongation at Break	>= 25 %	>= 25 %	ASTM D638
Flexural Yield Strength	92.0 MPa	13300 psi	ASTM D790
Flexural Modulus	3.60 GPa	522 ksi	ASTM D790
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ASTM D256
Izod Impact, Unnotched (ISO)	75.0 kJ/m ²	35.7 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	182 °C	360 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	240 °C	464 °F	
Rear Barrel Temperature	235 °C	455 °F	
Middle Barrel Temperature	245 °C	473 °F	
Front Barrel Temperature	255 °C	491 °F	
Nozzle Temperature	245 °C	473 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	80.0 °C	176 °F	

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